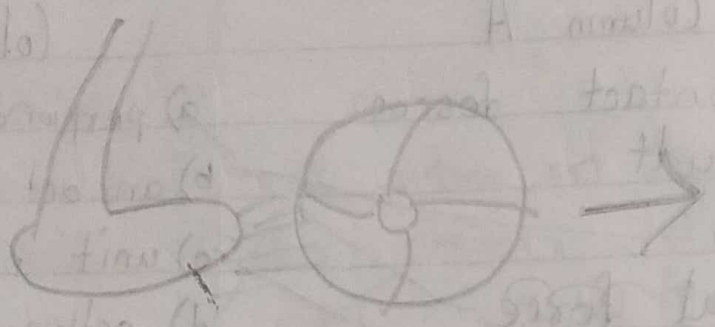


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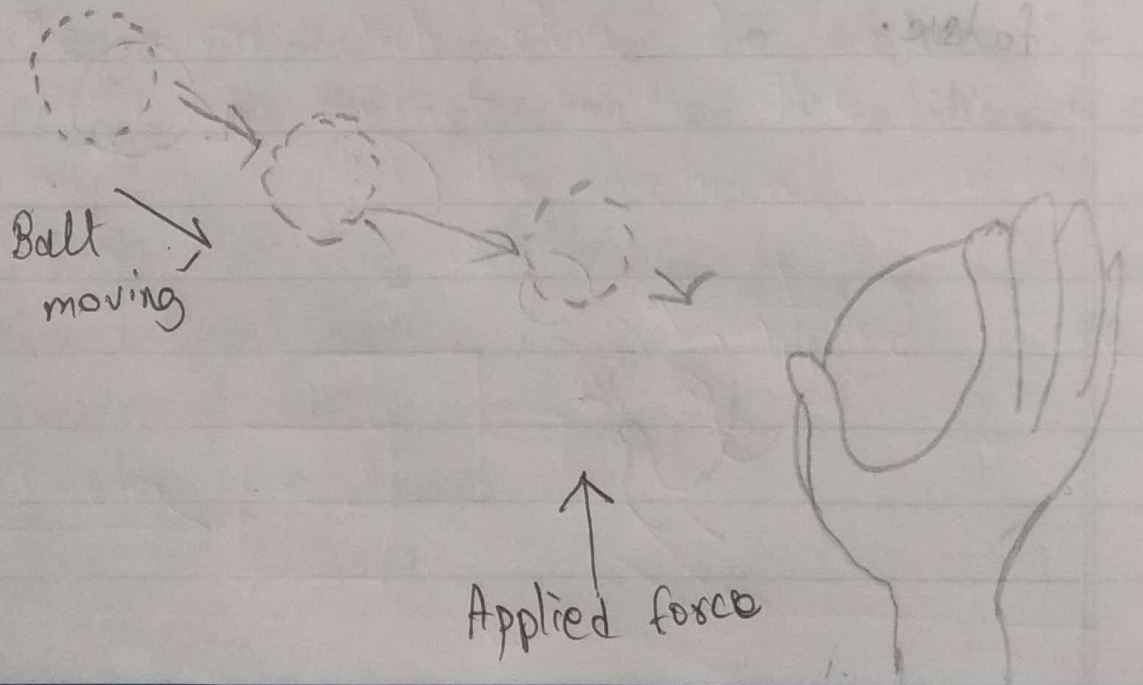
Q1- What are the effects of force?

Ans - Effects of force are:

1. A force can move a body originally at rest.
Ex- A ball is lying on the ground moves, when it is kicked.

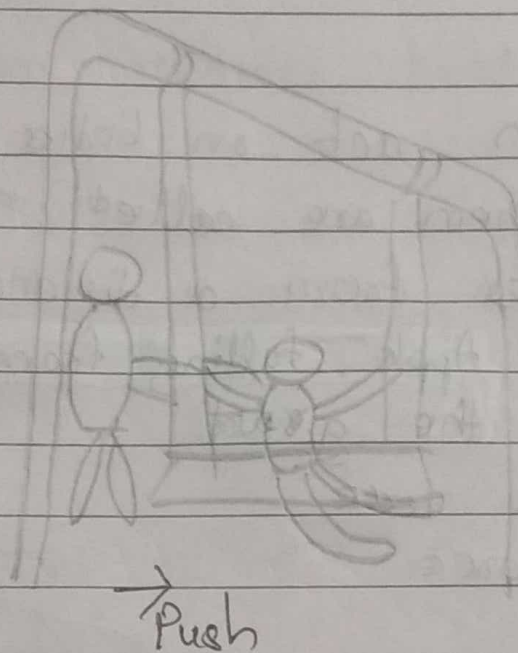


2. A force can stop a moving body:
Ex- A moving cricket ball can be caught by the fielder when he catches it. He applies the force with the help of his hands.



3. A force can make a moving body move faster.

Ex- A swing moves faster when a push is given in the direction of the moving swing.



4. A force can slow down a moving body.

Ex- The speed of the moving vehicle can be reduced or stopped by applying brakes.

5. A force can change the direction of a human body.

Ex- In tennis and badminton, the direction of ball or cock can be changed by the hitting of rackets.

Q2. Define Contact and Non-contact force?

Ans - The force which acts on bodies by an actual contact, is called contact force.
Ex - The muscular force applied as push and pull.

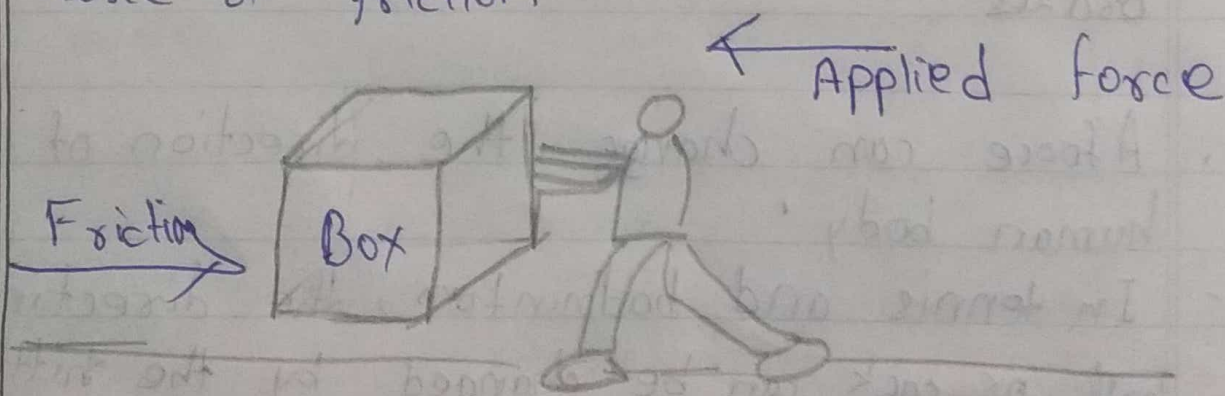
- The force which act on bodies with no contact with them are called non-contact forces or forces from a distance.

Ex = Gravitational -

- Electrostatic force
- Magnetic force

Q3. Define force of friction.

Ans - The force which slows the motion of a moving body in contact with the surface of another body, is called the frictional force or the force of friction.



Q4. What are the disadvantages of friction?

Ans- These disadvantages of friction is as follows:

- Friction opposes the motion of a body.
- Friction causes wear and tear in the moving parts.
- Friction produces heat.